As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME

the specification of which (check one) \underline{X} was filed on $\underline{\text{August 28, 2001}}$ as Application Serial No. $\underline{09/941,992}$ and was amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

Lacknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate have a filing date before that of the application on which priority is claimed:

rier Foreign Ap	oplication(s):		Priority Claimed Yes No
Number	Country	Day/Month/Year Filed	
hereby claim the	e benefit under Title 35, Ur	nited States Code, §119(e) of any United States pr	rovisional applications(s) listed below:

Please see attached Appendix A (Listing 144 U.S. Provisional Patent Applications)

Application Ser. No.

Filing Date

I hereby claim the benefit under Title 35, United States Code, §120 of any United States applications(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Please see attached Appendix B (Listing 26 U.S. Applications and 43 PCT Applications)

Application Ser. No. Filing Date Status: Patented, Pending, Abandoned

Application Ser. No. Filing Date Status: Patented, Pending, Abandoned

POWER OF ATTORNEY: As a named inventor, I hereby appoint all Attorney(s) and/or Agent(s) associated with the following Patent Office Issued Customer Number to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

09157

PATENT TRADEMARK OFFICE

Paul E. Rauch, Ph.D., Reg. No. 38,591, CUSTOMER NO. 28,442





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Email: prauch@brinkshofer.com

I hereby declare that all statements made herein of my own knowledge and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon.

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herein will be so notified by the undersigned.	
Full name of sole or first inventor	
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An J Ashkonen	Date 10/2/01
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David Botstein	
MadDal	Date /0/03/01
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Citizenship US	
Post Office Address 1 DNA Way South San Francisco, CA 94080	



Page 3 Full name of fourth joint inventor, if any Luc Desnoyers /0-/0-0/ Date Inventor's signature Residence 2050 Stockton Street, San Francisco, CA 94133 Citizenship CA Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of fifth joint inventor, if any Dan L. Eaton 16-2-01 Inventor's signature Residence US Post Office Address
1 DNA Way South San Francisco, CA 94080 Full name of sixth joint inventor, if any Napoleone Ferrara Inventor's signature Date Residence 2090 Pacific Avenue #704, San Francisco, CA 94109 Citizenship US Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of seventh joint inventor, if any Sherman Fong Inventor's signature Residence 19 Basinside Way, Alameda, CA 94502

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Page 4 Full name of eighth joint inventor, if any 10/02/201 Hanspeter Gerber Inventor's signature Residence 1121 Tennessee Street #5, San Francisco, CA 94107 Citizenship CH Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of nineth joint inventor, if any Mary E. Gerritsen Date Inventor's signature Residence 54 Parrott Drive, San Mateo, CA 94402 Citizenship CA Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of tenth joint inventor, if any Audrey Goddard Date Inventor's signature 1 007. 2001 170 Congo Street, San Francisco, CA 94131 Citizenship CA Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of twelfth joint inventor, if any Paul J. Godowski Inventor's signature Residence

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US T	
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Hand had had had had had had had



APPENDIX A

Thereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications listed below:

- 1. 60/049787 Filed 6/16/97
- 2. 60/062250 Filed 10/17/97
- 3. 60/065186 Filed 11/12/97
- 60/065311 Filed 11/13/97 4.
- 5. 60/066770 Filed 11/24/97
- 60/075945 Filed 2/25/98 6.
- 60/078910 Filed 3/20/98 7.
- 8. 60/083322 Filed 4/28/98
- 9. 60/084600 Filed 5/7/98
- 10. 60/087106 Filed 5/28/98
- 11. 60/087607 Filed 6/2/98
- 12. 60/087609 Filed 6/2/98
- 13 60/087759 Filed 6/2/98
- 14 60/087827 Filed 6/3/98
- 15 60/088021 Filed 6/4/98
- 16. 60/088025 Filed 6/4/98
- 60/088026 Filed 6/4/98
- 60/088028 Filed 6/4/98
- 60/088029 Filed 6/4/98
- 17.1 18.1 19.1 20. 60/088030 Filed 6/4/98
- 60/088033 Filed 6/4/98
- 21 22 60/088326 Filed 6/4/98
- 23 60/088167 Filed 6/5/98
- 24.1 60/088202 Filed 6/5/98
- 25. 60/088212 Filed 6/5/98
- 26. 60/088217 Filed 6/5/98
- 27. 60/088655 Filed 6/9/98
- 28. 60/088734 Filed 6/10/98
- 29. 60/088738 Filed 6/10/98
- 30. 60/088742 Filed 6/10/98
- 31. 60/088810 Filed 6/10/98
- 32. 60/088824 Filed 6/10/98
- 33. 60/088826 Filed 6/10/98
- 34. 60/088858 Filed 6/11/98
- 35. 60/088861 Filed 6/11/98

60/088876 Filed 6/11/98

37. 60/089105 Filed 6/12/98

36.

- 38. 60/089440 Filed 6/16/98
- 39. 60/089512 Filed 6/16/98
- 40. 60/089514 Filed 6/16/98
- 41. 60/089532 Filed 6/17/98
- 42. 60/089538 Filed 6/17/98
- 43. 60/089598 Filed 6/17/98 44. 60/089599 Filed 6/17/98
- 45. 60/089600 Filed 6/17/98
- 46. 60/089653 Filed 6/17/98



- 47. 60/089801 Filed 6/18/98
- 48. 60/089907 Filed 6/18/98
- 49. 60/089908 Filed 6/18/98
- 50. 60/089947 Filed 6/19/98
- 51. 60/089948 Filed 6/19/98
- 52. 60/089952 Filed 6/19/98
- 53. 60/090246 Filed 6/22/98
- 54. 60/090252 Filed 6/22/98
- 55. 60/090254 Filed 6/22/98
- 56. 60/090349 Filed 6/23/98
- 57. 60/090355 Filed 6/23/98
- 58. 60/090429 Filed 6/24/98
- 59. 60/090431 Filed 6/24/98
- 60. 60/090435 Filed 6/24/98
- 61. 62. 63. 64. 60/090444 Filed 6/24/98
- 60/090445 Filed 6/24/98
- 60/090472 Filed 6/24/98
- 60/090535 Filed 6/24/98
- 60/090540 Filed 6/24/98 65
- 60/090542 Filed 6/24/98 66.
- 67 60/090557 Filed 6/24/98
- 68. 60/090676 Filed 6/25/98
- 60/090678 Filed 6/25/98
- 60/090690 Filed 6/25/98
- 69: 70: 71: 72: 73: 74: 60/090694 Filed 6/25/98
- 60/090695 Filed 6/25/98
- 60/090696 Filed 6/25/98
- 60/090862 Filed 6/26/98
- 75. 60/090863 Filed 6/26/98
- 76. 60/091360 Filed 7/1/98
- 77. 60/091478 Filed 7/2/98
- 78. 60/091544 Filed 7/1/98
- 79. 60/091519 Filed 7/2/98
- 80. 60/091626 Filed 7/2/98
- 81. 60/091633 Filed 7/2/98
- 82. 60/091628 Filed 7/2/98
- 83. 60/091646 Filed 7/2/98
- 84. 60/091673 Filed 7/2/98
- 85. 60/091978 Filed 7/7/98
- 86. 60/091982 Filed 7/7/98
- 87. 60/092182 Filed 7/9/98
- 88. 60/092472 Filed 7/10/98
- 89. 60/093339 Filed 7/20/98
- 90. 60/094651 Filed 7/30/98 ·
- 91. 60/095282 Filed 8/4/98
- 92. 60/095285 Filed 8/4/98
- 93. 60/095302 Filed 8/4/98
- 94. 60/095318 Filed 8/4/98
- 95. 60/095321 Filed 8/4/98



- 96. 60/095301 Filed 8/4/98
- 97. 60/095325 Filed 8/4/98
- 98. 60/095916 Filed 8/10/98
- 99. 60/095929 Filed 8/10/98
- 100. 60/096012 Filed 8/10/98
- 60/096143 filed 8/11/98 101.
- 102. 60/096146 Filed 8/11/98
- 60/096329 Filed 8/12/98 103.
- 104. 60/096757 Filed 8/17/98
- 105. 60/096766 Filed 8/17/98
- 106. 60/096768 Filed 8/17/98
- 107. 60/096773 Filed 8/17/98
- 108. 60/096791 Filed 8/17/98
- 109. 60/096867 Filed 8/17/98
- 110. 60/096891 Filed 8/17/98
- 111. 60/096894 Filed 8/17/98
- 60/096895 filed 8/17/98
- 112. 113. 60/096897 Filed 8/17/98
- 114 60/096949 Filed 8/18/98
- 115. 60/096950 Filed 8/18/98
- 116. 60/096959 Filed 8/18/98
- 117. 60/096960 Filed 8/18/98
- 1 **F**8. 60/097022 Filed 8/18/98
- 119. 60/097141 Filed 8/19/98
- 120. 60/097218 Filed 8/20/98
- 121. 60/097661 Filed 8/24/98
- 122. 60/097952 Filed 8/26/98
- 123. 60/097954 Filed 8/26/98
- 124. 60/097955 Filed 8/26/98
- 125. 60/098014 Filed 8/26/98
- 126. 60/097971 Filed 8/26/98
- 127. 60/097974 Filed 8/26/98
- 128. 60/097978 Filed 8/26/98
- 129. 60/097986 Filed 8/26/98
- 130. 60/097979 Filed 8/26/98
- 131. 60/098525 Filed 8/31/98
- 132. 60/100634 Filed 9/16/98
- 133. 60/100858 Filed 9/17/98
- 134. 60/113296 Filed 12/22/98
- 135. 60/123957 Filed 3/12/99
- 136. 60/141037 Filed 6/23/99
- 137. 60/143048 Filed 7/7/99
- 138. 60/144758 Filed 7/20/99
- 139. 60/145698 Filed 7/26/99
- 140. 60/146222 Filed 7/28/99
- 141. 60/149396 Filed 8/17/99
- 142. 60/158663 Filed 10/8/99
- 143. 60/213637 Filed 6/23/00
- 60/230978 Filed 9/7/00 144.



APPENDIX B

I hereby claim the benefit under Title 35, United States Code, §120 of any United States applications listed below:

U.S. Patent Applications

- 08/743698 Filed 11/6/96 1.
- 08/876698 Filed 6/16/97, now abandoned 2.
- 3. 08/965056 Filed 11/5/97, US Patent No: 6,271,198 issued: 8/7/01
- 09/105413 Filed 6/26/98 4.
- 5. 09/168978 Filed 10/7/98
- 5. 09/187368 Filed 11/6/98
- 09/202054 Filed 12/7/98 6.
- 1. 09/218517 filed 12/22/98, now abandoned
- 09/254311 Filed 3/3/99 9.
- 09/254460 Filed 3/9/99, now abandoned 10.
- 11. 09/267213 Filed 3/12/99, now abandoned
- 12 09/284291 Filed 4/12/99, now abandoned
- 13 09/380137 Filed 8/25/99, now abandoned
- 14: 09/380138 Filed 8/25/99, now abandoned
- 15 09/380139 Filed 8/25/99
- 16. 09/403296 Filed 10/18/99, now abandoned
- 17. 18. 09/423844 Filed 11/12/99, now abandoned
- 09/664610 Filed 9/18/00, now abandoned
- 19. 20. 09/665350 Filed 9/18/00
- 09/709238 Filed 11/8/00
- 09/808689 Filed 3/14/01, now abandoned
- 22 09/854816 Filed 5/15/01
- 23 09/866028 Filed 5/25/01
- 24. 09/866034 Filed 5/25/01
- 25. 09/872035 Filed 6/1/01
- 26. 09/882636 Filed 6/14/01, now abandoned

PCT International Patent Applications:

- 1. PCT/US97/20069 Filed 11/5/97
- 2. PCT/US98/19330 Filed 9/16/98
- 3. PCT/US98/19437 Filed 9/17/98, now abandoned
- PCT/US98/21141 Filed 10/7/98 4.
- PCT/US98/25108 Filed 12/1/98 5.
- 6. PCT/US99/00106 Filed 1/5/99, now abandoned
- PCT/US99/05028 Filed 3/8/99 7.
- 8. PCT/US99/12252 Filed 6/2/99
- 9. PCT/US99/21090 Filed 9/15/99
- 10. PCT/US99/21547 Filed 9/15/99
- 11. PCT/US99/28313 Filed 11/30/99
- 12. PCT/US99/28301 Filed 12/1/99
- 13. PCT/US99/28634 Filed 12/1/99
- 14. PCT/US99/30095 Filed 12/16/99
- 15. PCT/US99/30911 Filed 12/20/99
- 16. PCT/US00/00219 Filed 1/5/00, now abandoned
- 17. PCT/US00/00376 Filed 1/6/00, now abandoned



- 18. PCT/US00/03565 Filed 2/11/00
- 19. PCT/US00/04341 Filed 2/18/00
- 20. PCT/US00/04414 Filed 2/22/00
- 21. PCT/US00/04914 Filed 2/24/00, now abandoned
- 22. PCT/US00/05004 Filed 2/24/00
- 23. PCT/US00/05841 Filed 3/2/00
- 24. PCT/US00/06319 Filed 3/10/00, now abandoned
- 25. PCT/US00/06884 Filed 3/15/00
- 26. PCT/US00/07377 Filed 3/20/00
- 27. PCT/US00/08439 Filed 3/30/00
- 28. PCT/US00/13358 Filed 5/15/00
- 29. PCT/US00/14042 Filed 5/22/00
- 30. PCT/US00/15264 Filed 6/2/00
- 31. PCT/US00/13705 Filed 5/17/00
- 32. 33. 34. 35. 36. PCT/US00/14941 Filed 5/30/00
- PCT/US00/20710 Filed 7/28/00
- PCT/US00/22031 Filed 8/11/00
- PCT/US00/23522 Filed 8/23/00
- PCT/US00/23328 Filed 8/24/00
- 37 PCT/US00/30952 Filed 11/8/00
- 38 PCT/US00/32678 Filed 12/1/00
- 391 PCT/US01/06520 Filed 2/28/01
- 40₹ PCT/US01/17800 Filed 6/1/01
- PCT/US01/19692 Filed 6/20/01
- 41. 42. 43. PCT/US01/21066 Filed 6/29/01
- PCT/US01/21735 Filed 7/9/01

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME

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Prior Foreign Ap	oplication(s):		Priority Claimed Yes No
Namber	Country	Day/Month/Year Filed	
I hereby claim th	e benefit under Title 35, Ur	nited States Code, §119(e) of any United States p	rovisional applications(s) listed below:

Please see attached Appendix A (Listing 144 U.S. Provisional Patent Applications)

Application Ser. No.

Filing Date

I hereby claim the benefit under Title 35, United States Code, §120 of any United States applications(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

 Please see attached Appendix B (Listing 26 U.S. Applications and 43 PCT Applications)

 Application Ser. No.
 Filing Date
 Status: Patented, Pending, Abandoned

 Application Ser. No.
 Filing Date
 Status: Patented, Pending, Abandoned

POWER OF ATTORNEY: As a named inventor, I hereby appoint all Attorney(s) and/or Agent(s) associated with the following Patent Office Issued Customer Number to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

09157

PATENT TRADEMARK OFFICE

Paul E. Rauch, Ph.D., Reg. No. 38,591, CUSTOMER NO. 28,442





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hereby declare that all statements made herein of my own knowledge and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon.

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from his foreign patent agent as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

, , , , , , , , , , , , , , , , , , , ,	
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100°	Doto
Invaritor's signature	Date
Residence	
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: a	
Inventor's signature	Date
	10/22/01
Residence Property Pr	. 100/01
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Citizenship US	
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South San Francisco, CA 94080

Hanspeter Gerber Date Inventor's signature Residence 1121 Tennessee Street #5, San Francisco, CA 94107 Citizenship CH Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of nineth joint inventor, if any Mary E. Gerritsen Inventor's signature Date Residence 541 Parrott Drive, San Mateo, CA 94402 Cifizenship Post Office Address 1 PNA Way South San Francisco, CA 94080 Full name of tenth joint inventor, if any Audrey Goddard Inventor's signature Date T. Residence 110 Congo Street, San Francisco, CA 94131 Citizenship CA Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of twelfth joint inventor, if any Paul J. Godowski Inventor's signature Date Residence 25 Orange Court, Hillsborough, CA 94010 Citizenship US



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South San Francisco, CA 94080

J. Christopher Grimaldı Date Inventor's signature Residence 1434 36th Avenue, San Francisco, CA 94122 Citizenship US Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of fourteenth joint inventor, if any Austin L. Gurney Date Inventor's signature Residence 1 Debbie Lane, Belmont, CA 94002 Cifizenship US Post Office Address 1 PNA Way South San Francisco, CA 94080 Full name of fifteenth joint inventor, if any lvar J. Kljavin Date Inventor's signature II. Residence 3673 Crescent Drive, Lafayette, CA 94549 Citizenship US Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of sixteenth joint inventor, if any Mary A. Napier Date Inventor's signature Residence 1015 Hayne Road, Hillsborough, CA 94010 Citizenship US Post Office Address 1 DNA Way



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Inventor's signature	Date
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Citizenship CA	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of eighteenth joint inventor, if any	
Nicholas F. Paoni	
Inventor's signature	Date
Residence 1756 Terrace Drive, Belmont, CA 94002	
Citzenship	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of nineteenth joint inventor, if any	
Margaret Ann Roy	
Inventor's signature	Date
Residence 2950 Webster Street #4, San Francisco, CA 94123	
Citizenship US	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of twentieth joint inventor, if any	
Timothy A. Stewart	
Inventor's signature	Date
Residence 465 Douglass Street, San Francisco, CA 94114	
Citizenship US	
Post Office Address 1 DNA Way South San Francisco, CA 94080	



Full name of twenty-first joint inventor, if any

Daniel Tumas	
Inventor's signature	Date
Residence 3 Rae Avenue, Orinda, CA 94563	
Citizenship US	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of twenty-second joint inventor, if any	
Colin K. Watanabe	
Inventor's signature	Date
Residence 128 Corliss Drive, Moraga, CA 94556	
Cittzenship US	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of twenty-third joint inventor, if any P-Mickey Williams	
Inventor's signature	Date
Residence 509 Alto Avenue, Half Moon Bay, CA 94019	
Citizenship US	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of twenth-fourth joint inventor, if any	
William I. Wood	
Inventor's signature	Date
Residence 35 Southdown Court, Hillsborough, CA 94010	,
Citizenship US	
Post Office Address 1 DNA Way South San Francisco, CA 94080	



-	

Date 876 Taurus Drive, Foster City, CA 94404 Citizenship CN Post Office Address 1 DNA Way South San Francisco, CA 94080

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME

the specification of which (check one) \underline{X} was filed on $\underline{\text{August 28, 2001}}$ as Application Serial No. $\underline{09/941,992}$ and was amended on $\underline{\text{(if applicable)}}$.

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Prior Foreign Application(s):	Priority Yes	Claimed No
Nümber Country Day/Month/Year Filed		
Thereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications and Company Control of the Code, §119(e)	cations(s) li	sted below
Please see attached Appendix A (Listing 144 U.S. Provisional Patent Application	าร)	
Application Ser. No. Filing Date		

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Please see attached Appendix B (Listing 26 U.S. Applications and 43 PCT Applications)

Application Ser. No. Filing Date Status: Patented, Pending, Abandoned

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POWER OF ATTORNEY: As a named inventor, I hereby appoint all Attorney(s) and/or Agent(s) associated with the following Patent Office Issued Customer Number to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

09157

PATENT TRADEMARK OFFICE

Paul E. Rauch, Ph.D., Reg. No. 38,591, CUSTOMER NO. 28,442





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Email: prauch@brinkshofer.com

I hereby declare that all statements made herein of my own knowledge and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Herein win be 30 Houned by the undersigned	
Full name of sole or first inventor	
4000°;	
Avig Ashkenazi	
Inventor's signature	Date
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Residence	
1456 Tarrytown Street, San Mateo, CA 94402	
Citizenship US	
Post Office Address	
1 ĐNA Way	
South San Francisco, CA 94080	
Full name of second joint inventor, if any	
Kerin P. Baker	
Inventor's signature	Date
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Citizenship GB	
Post Office Address	
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South San Francisco, CA 94080	
Full name of third joint inventor, if any	
David Botstein	
Inventor's signature	Date
Residence	
2539 Somerset Drive, Belmont, CA 94002	
Citizenship	
US	
Post Office Address	
1 DNA Way South San Francisco, CA 94080	



Full name of fourth joint inventor, if any

Luc Desnoyers Date Inventor's signature Residence 2050 Stockton Street, San Francisco, CA 94133 Citizenship CA Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of fifth joint inventor, if any Dan L. Eaton Date Inventor's signature Residence 75 Knight Drive, San Rafael, CA 94901 Citizenship uS Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of sixth joint inventor, if any Napoleone Ferrara Inventor's signature Date Résidence 2090 Pacific Avenue #704, San Francisco, CA 94109 Citizenship US Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of seventh joint inventor, if any Sherman Fong Date Inventor's signature Residence 19 Basinside Way, Alameda, CA 94502 Citizenship US Post Office Address 1 DNA Way South San Francisco, CA 94080



Full name of eighth joint inventor, if any

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South San Francisco, CA 94080

Hanspeter Gerber Inventor's signature Date Residence 1121 Tennessee Street #5, San Francisco, CA 94107 Citizenship CH Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of nineth joint inventor, if any Mary E. Gerritsen Date Inventor's signature Residence 54 Parrott Drive, San Mateo, CA 94402 Citizenship Post Office Address 1 PNA Way South San Francisco, CA 94080 Full name of tenth joint inventor, if any Audrey Goddard Date Inventor's signature Residence 110 Congo Street, San Francisco, CA 94131 Citizenship CA Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of twelfth joint inventor, if any Paul J. Godowski Inventor's signature Date Residence 25 Orange Court, Hillsborough, CA 94010 Citizenship US



Full name of thirteenth joint inventor, if any

J. Christopher Grimaldı	
Inventor's signature	Date
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Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of fourteenth joint inventor, if any	
Austin L. Gurney	
Inventor's signature	Date
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Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of fifteenth joint inventor, if any Ivar J. Kljavin	
Inventor's signature	Date
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Citizenship US	
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Full name of sixteenth joint inventor, if any	
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Inventor's signature	Date
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Full name of seventeenth joint inventor, if any

South San Francisco, CA 94080

James Pan Inventor's signature Date Residence 2705 Coronet Boulevard, Belmont, CA 94002 Citizenship CA Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of eighteenth joint inventor, if any Nicholas F. Paoni Inventor's signature Date Residence 1756 Terrace Drive, Belmont, CA 94002 Citizenship US Post Office Address
1 DNA Way South San Francisco, CA 94080 Ful#name of nineteenth joint inventor, if any Mårgaret Ann Roy Inventor's signature Date E. Residence 2960 Webster Street #4, San Francisco, CA 94123 Citizenship US Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of twentieth joint inventor, if any Timothy A. Stewart Inventor's signature Date Residence 465 Douglass Street, San Francisco, CA 94114 Citizenship US Post Office Address 1 DNA Way



Full name of twenty-first joint inventor, if any

Daniel Tumas	
Inventor's signature	Date
Residence 3 Rae Avenue, Orinda, CA 94563	
Citizenship US ,	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of twenty-second joint inventor, if any	
Colin K. Watanabe	
Inventor's signature	Date
Residence 128 Corliss Drive, Moraga, CA 94556	
Citizenship US	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of twenty-third joint inventor, if any	
Patrickey Williams	•
Inventor's signature	Date
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Citizenship US	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of twenth-fourth joint inventor, if any	
William I. Wood	
Inventor's signature	Date
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Full name of twenth-fifth joint inventor, if any

Zemin Zhang

Inventor's signature	Date
Residence 876 Taurus Drive, Foster City, CA 94404	
Citizenship CN	
Post Office Address 1 DNA Way South San Francisco, CA 94080	

As a below named inventor, I hereby declare that:

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Pfor Foreign Application(s):			Priority Claimed	
Ī.	,		Yes No	
N⊎mber	Country	Day/Month/Year Filed		

Thereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications(s) listed below:

Please see attached Appendix A (Listing 144 U.S. Provisional Patent Applications)

Application Ser. No. Filing Date

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Application Ser. No. Filing Date Status: Patented, Pending, Abandoned

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POWER OF ATTORNEY: As a named inventor, I hereby appoint all Attorney(s) and/or Agent(s) associated with the following Patent Office Issued Customer Number to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

09157

PATENT TRADEMARK OFFICE

Paul E. Rauch, Ph.D., Reg. No. 38,591, CUSTOMER NO. 28,442





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herein will be so notified by the undersigned.		
Full name of sole or first inventor		
Avid. Ashkenazi		
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Inventor's signature	Date	
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Citizenship GB		
Post Office Address		
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Full name of third joint inventor, if any		
David Botstein		
Inventor's signature	Date	
Residence 2539 Somerset Drive, Belmont, CA 94002		
Citizenship US		
Post Office Address 1 DNA Way South San Francisco, CA 94080		





Full name of fourth joint inventor, if any

Luc Desnoyers	
Inventor's signature	Date
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Full name of fifth joint inventor, if any	
Dan L. Eaton	
Inventor's signature	Date
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Full name of sixth joint inventor, if any	
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Full name of seventh joint inventor, if any	
Sherman Fong	
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Citizenship US	
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Full name of eighth joint inventor, if any Hanspeter Gerber

Hanspeter Gerber	
Inventor's signature	Date
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Full name of tenth joint inventor, if any Audrey Goddard	
Inventor's signature Residence	Date
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CA	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of twelfth joint inventor, if any	
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Inventor's signature	Date
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Citizenship US	
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Page 5 Full name of thirteenth joint inventor, if any J. Christopher Grimaldi Date Inventor's signature Residence 1434 36th Avenue, San Francisco, CA 94122 Citizenship US Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of fourteenth joint inventor, if any Austin L. Gurney Date Inventor's signature Residence 1 bebbie Lane, Belmont, CA 94002 Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of fifteenth joint inventor, if any Ivar J. Kljavin Inventor's signature Date Residence 3673 Crescent Drive, Lafayette, CA 94549 Citizenship US Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of sixteenth joint inventor, if any Nov 6, 2001 Mary A. Napier Inventor's signature

Residence

Citizenship US

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1015 Hayne Road, Hillsborough, CA 94010



Full name of seventeenth joint inventor, if any

James Pan	
Inventor's signature	Date
Residence 2705 Coronet Boulevard, Belmont, CA 94002	
Citizenship CA	
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Full name of eighteenth joint inventor, if any	
Nicholas F. Paoni	
Inventor's signature	Date
Residence 1756 Terrace Drive, Belmont, CA 94002	
Citizenship U <u>s</u>	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of nineteenth joint inventor, if any Margaret Ann Roy	
Inventor's signature	Date
Résidence 2950 Webster Street #4, San Francisco, CA 94123	
Citizenship US	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of twentieth joint inventor, if any	
Timothy A. Stewart	
Inventor's signature	Date
Residence 465 Douglass Street, San Francisco, CA 94114	
Citizenship US	
Post Office Address 1 DNA Way South San Francisco, CA 94080	



Full name of twenty-first joint inventor, if any

South San Francisco, CA 94080

Daniel Tumas Date Inventor's signature Residence 3 Rae Avenue, Orinda, CA 94563 Citizenship บร Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of twenty-second joint inventor, if any Colin K. Watanabe Date Inventor's signature Residence 128 Corliss Drive, Moraga, CA 94556 Citizenship US Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of twenty-third joint inventor, if any P Mickey Williams Date Inventor's signature Residence 5@9: Alto Avenue, Half Moon Bay, CA 94019 Citizenship US Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of twenth-fourth joint inventor, if any William I. Wood Date Inventor's signature Residence 35 Southdown Court, Hillsborough, CA 94010 Citizenship US Post Office Address 1 DNA Way



N. C.
Full name of twenth-fifth joint inventor, if any
Zemin Zhang



Zeriin Zhang		
Inventor's signature	Date	
Residence 876 Taurus Drive, Foster City, CA 94404		
Citizenship CN		
Post Office Address 1 DNA Way South San Francisco, CA 94080		



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Nīmber	Country	Day/Month/Year Filed	

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Filing Date

Status: Patented, Pending, Abandoned

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Filing Date

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Full name of sole or first inventor	
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Fulfmame of second joint inventor, if any	
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Full name of fourth joint inventor, if any

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Fill name of sixth joint inventor, if any Napoleone Ferrara	
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Citizenship US	
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Sherman Fong	
Inventor's signature	Date
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Citizenship US	
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Full name of eighth joint inventor, if any

Hanspeter Gerber	
Inventor's signature	Date
Residence 1121 Tennessee Street #5, San Francisco, CA 94107	
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Full name of nineth joint inventor, if any	
Mary E. Gerritsen	
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Full hame of tenth joint inventor, if any Audrey Goddard	
Inventor's signature	Date
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Full name of twelfth joint inventor, if any	
Paul J. Godowski	
Inventor's signature	Date
Residence 25 Orange Court, Hillsborough, CA 94010	
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Full name of thirteenth joint inventor, if any

J. Christopher Grimaldi	
Inventor's signature	Date
Residence 1434 36 th Avenue, San Francisco, CA 94122	
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Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of fourteenth joint inventor, if any	
Austin L. Gurney	
Inventor's signature	Date
Residence 1 Debbie Lane, Belmont, CA 94002	
Cilizenship Us	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of fifteenth joint inventor, if any liver J. Kljavin	
Inventor's signature	Date
Residence 3€73 Crescent Drive, Lafayette, CA 94549	
Citizenship US	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of sixteenth joint inventor, if any	
Mary A. Napier	
Inventor's signature	Date
Residence 1015 Hayne Road, Hillsborough, CA 94010	
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Post Office Address 1 DNA Way South San Francisco, CA 94080	



Full name of seventeenth joint inventor, if any

South San Francisco, CA 94080

James Pan Date Inventor's signature Residence 2705 Coronet Boulevard, Belmont, CA 94002 Citizenship CA Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of eighteenth joint inventor, if any Nicholas F. Paoni Date Inventor's signature 13/24/01 Residence 1756 Terrace Drive, Belmont, CA 94002 Citizenship US Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of nineteenth joint inventor, if any Margaret Ann Roy Date Inventor's signature T) Residence 2960 Webster Street #4, San Francisco, CA 94123 Citizenship US Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of twentieth joint inventor, if any Timothy A. Stewart Date Inventor's signature Residence 465 Douglass Street, San Francisco, CA 94114 Citizenship US Post Office Address 1 DNA Way



Full name of twenty-first joint inventor, if any

Daniel Tumas	
Inventor's signature	Date
Residence 3 Rae Avenue, Orinda, CA 94563	
Citizenship US	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of twenty-second joint inventor, if any	
Colin K. Watanabe	
Inventor's signature	Date
Residence 128 Corliss Drive, Moraga, CA 94556	
Citizenship Usa	
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Full name of twenty-third joint inventor, if any P. Mickey Williams	
Inventor's signature	Date
Residence 509 Alto Avenue, Half Moon Bay, CA 94019	
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Full name of twenth-fourth joint inventor, if any	
William I. Wood	
Inventor's signature	Date
Residence 35 Southdown Court, Hillsborough, CA 94010	
Citizenship US	
Post Office Address 1 DNA Way South San Francisco, CA 94080	





Full name of twenth-fifth joint inventor, if any

Zemin	Zhang	
20111111		

Inventor's signature	Date
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As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

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the specification of which (check one) \underline{X} was filed on $\underline{\text{August 28, 2001}}$ as Application Serial No. $\underline{09/941,992}$ and was amended on _ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate have a filling date before that of the application on which priority is claimed:

Prior Foreign Application(s):		า(s):	Priority Claimed Yes No
Namber	Country	Day/Month/Year Filed	

Thereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications(s) listed below:

Please see attached Appendix A (Listing 144 U.S. Provisional Patent Applications)

Application Ser. No. Filing Date

I hereby claim the benefit under Title 35, United States Code, §120 of any United States applications(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Please see attached Appendix B (Listing 26 U.S. Applications and 43 PCT Applications)

Application Ser. No. Filing Date Status: Patented, Pending, Abandoned

Application Ser. No. Filing Date Status: Patented, Pending, Abandoned

POWER OF ATTORNEY: As a named inventor, I hereby appoint all Attorney(s) and/or Agent(s) associated with the following Patent Office Issued Customer Number to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

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PATENT TRADEMARK OFFICE

Paul E. Rauch, Ph.D., Reg. No. 38,591, CUSTOMER NO. 28,442





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I hereby declare that all statements made herein of my own knowledge and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon.

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from his foreign patent agent as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

herein will be so notified by the undersigned.	
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J. Christopher Grimaldı Date Inventor's signature Residence 1434 36th Avenue, San Francisco, CA 94122 Citizenship US Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of fourteenth joint inventor, if any Austin L. Gurney Date Inventor's signature Residence 1 Debbie Lane, Belmont, CA 94002 Citizenship US Post Office Address
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Margaret Ann Roy		
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Full	name	of	twent	v-first	ioint	inventor,	if	anv
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